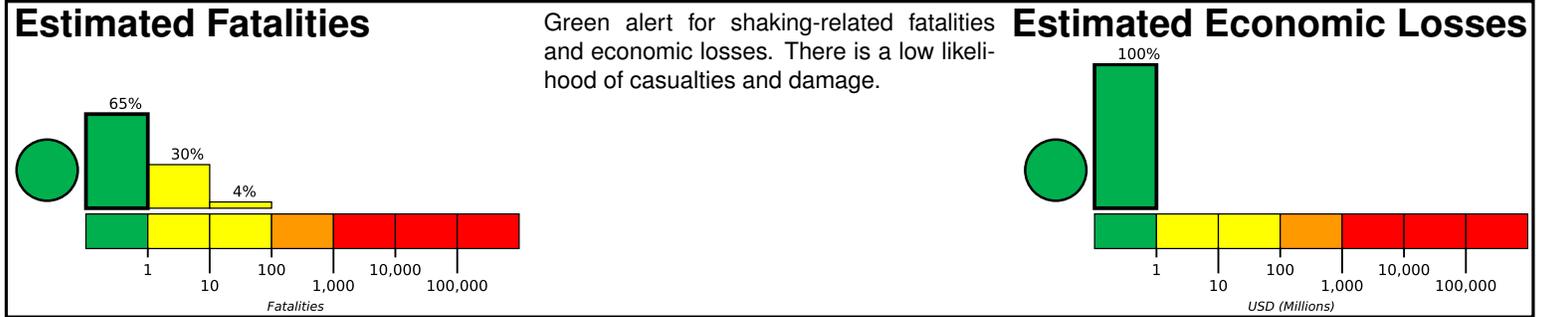


M 5.2, 4km NW of Canyondam, CA

Origin Time: 2023-05-12 10:18:40 UTC (Fri 03:18:40 local)
Location: 40.1921° N 121.1060° W Depth: 11.3 km

PAGER Version 6

Created: 3 weeks, 5 days after earthquake

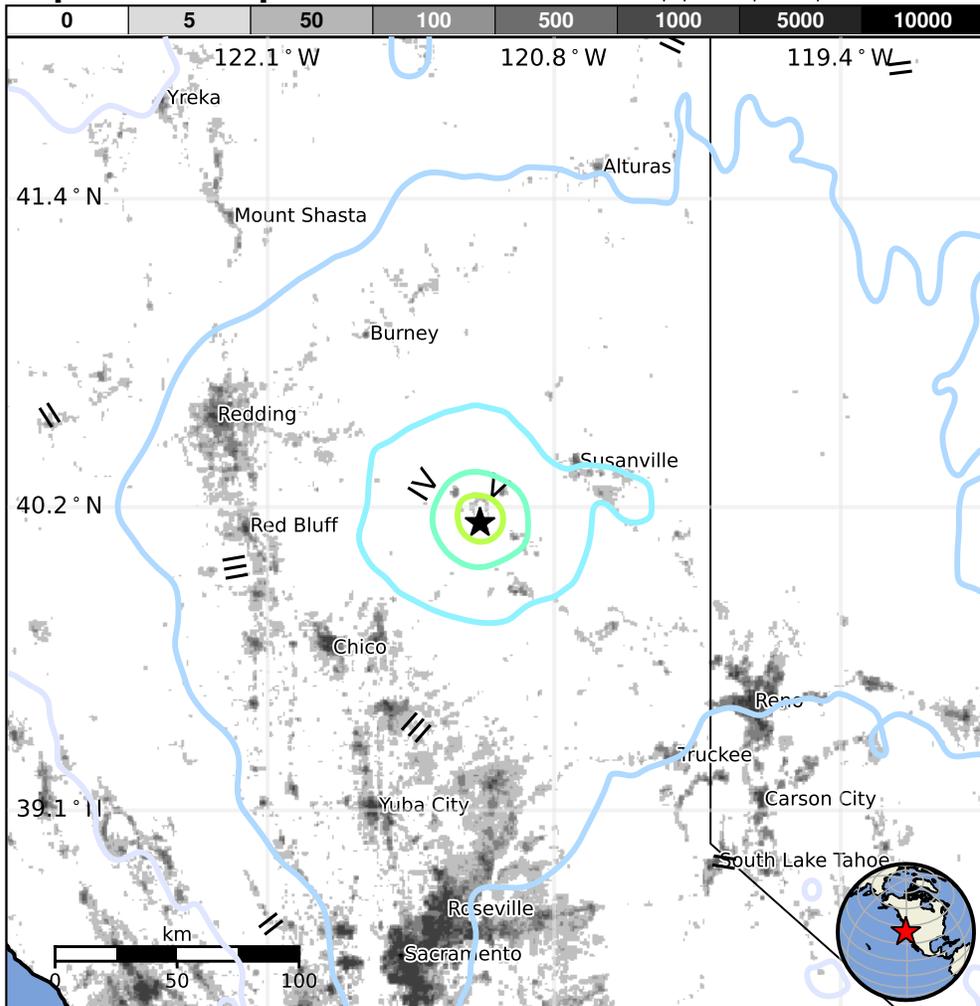


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		360k*	4,166k	27k	6k	1k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1993-09-21	246	6.0	VI(47k)	1
1980-01-24	280	5.8	VII(35k)	1
1989-10-18	347	6.9	VIII(109k)	62

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Chester	2k
V	Greenville	1k
V	Westwood	2k
IV	Quincy	2k
IV	Johnstonville	1k
IV	Susanville	18k
III	Sacramento	466k
III	Reno	225k
III	Elk Grove	153k
II	Carson City	55k
I	Santa Rosa	168k

bold cities appear on map.

(k=x1000)